

HENDRIKUS YOHANES WUNGA

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Yogyakarta, Indonesia 55282

PROFILE

Motivated by an insatiable curiosity and a determination to solve real-world problems, Hendrikus is a backend-focused engineer who architects resilient micro-services in Java (Spring Boot) and PHP (Laravel), containerizes them with Docker, and automates end-to-end CI/CD pipelines via GitHub Actions. Equally at home on the command line of a MikroTik router, he engineers Layer-2/3 networks—configuring OSPF & RIP, segmenting traffic with secure VLANs, hardening every hop with stateful NAT, granular firewall rules, QoS and Nmap-driven audits—while optimizing MySQL/PostgreSQL performance to millisecond precision and documenting everything in Swagger/OpenAPI. All of his coursework and self-directed projects are built for observability, reproducibility and seamless scale, positioning him to deliver immediate, measurable value to any forward-thinking engineering organization.

EDUCATION

University of Sanata Dharma - Yogyakarta, Indonesia

Aug 2022 - Present

Bachelor Degree in Informatics, 3.15/4.00

- Relevant Coursework: OOP, Computer Networks, Database Systems, Network Security, Distributed Systems, Query Language
- Actively participated in more than 7+ campus events such as webinars, seminars, and as the campus event organizer.

RECENT ACTIVITIES & PROJECTS

The ONE (Opportunistic Network Environment) Simulator

Jan 2025 - Present

A research-driven project leveraging The ONE simulator to model and analyze Delay-Tolerant Networks (DTN) under various conditions and routing algorithms.

- Designed and configured DTN scenarios to simulate message delivery in challenged networks with intermittent connectivity.
- Conducted performance evaluations of routing protocols (Epidemic, PROPHET, Spray and Wait, etc.) to measure delivery ratio, latency, and overhead.
- Documented simulation results and proposed optimizations for routing efficiency in resource-constrained environments.
- Technologies: The ONE Simulator, Java, Linux Environment, Network Performance Analysis

E-Commerce Backend Application

Jun 2024

Backend system for an e-commerce platform using Spring Boot.

- Developed user, product, and order management features with secure authentication.
- Implemented JWT-based login with Spring Security and tested endpoints using JUnit and MockMvc.
- Technologies: Java 17, Spring Boot, Spring Security, JWT, JPA (Hibernate), MySQL, JUnit 5, MockMvc, Postman, Git, IntelliJ Idea.

Book Social Network – Spring Boot API

Jul 2024 - Aug 2024

RESTful API backend for a social platform for book enthusiasts.

- Enabled account registration, email verification, secure JWT login, and social sharing/borrowing.
- Structured multi-role access, paginated API responses, and Dockerized the development environment.
- Technologies: Java 17, Spring Boot 3+, PostgreSQL, Spring Security, JWT, Docker Compose, MailDev, Postman, Git, IntelliJ Idea.

Spring Boot E-Commerce Backend System

Sep 2024 - Okt 2024

A scalable backend system for online store operations.

- Implemented OAuth2 authentication using Okta and payment integration with Stripe.
- Designed modular architecture with Swagger for API documentation and MySQL for persistent storage.
- Technologies: Java 17, Spring Boot, Okta, Stripe, Swagger UI, MySQL, Docker, Maven, Postman, Git, IntelliJ Idea.

Difabel Zone – Inclusive E-Commerce Platform

Oct 2024 - Dec 2024

E-commerce platform supporting disabled communities to sell creative products.

- Developed CRUD features for products managed by community leaders.
- Promoted inclusive design and enabled real-time product updates using Livewire.
- Technologies: Laravel, PHP, Livewire, MySQL, Git.

Farmart – Online Marketplace for Farmers
Designed and developed an online agricultural marketplace with Laravel, enhancing farmer-to-buyer connectivity and reducing middlemen dependency.

- Led requirement analysis and implemented backend logic for product, transaction, and user management.
- Optimized database queries for scalability and performance.
- Technologies: Laravel, PHP, MySQL, TailwindCSS, Git.

Feb 2024 - Mei 2024

ORGANISATIONAL EXPERIENCE

Himpunan Mahasiswa Informatika (HMIF)
Active Member, Membership Development Division

- Coordinated and executed new member orientation, aligning with organizational goals.

Nov 2022 - Nov 2023

Faculty of Science and Technology Student Election Commission
Active Member, Campaign Division

- Led campaign activities, improving student participation and managing candidate information flow.

Nov 2023

CERTIFICATION

Java Spring Boot: Professional eCommerce Project Masterclass – Udemy

- Built production-ready eCommerce backend, mastering Spring Security, JWT, payment integration, and RESTful API design.

Jan 2025

Java Masterclass 2025: 130+ Hours of Expert Lessons – Udemy

- Completed 130+ hours of Java training, strengthening expertise in OOP, collection, multithreading, JDBC/JPA, and design patterns.

Jan 2025

Master Microservices with Spring Boot and Spring Cloud – Udemy

- Designed and deployed scalable microservices using Spring Cloud with service discovery, API gateways, and distributed tracing.

Feb 2025

SKILLS

Backend:	Java (Spring Boot) PHP (Laravel) RESTful API Development Microservices Architecture Object-Oriented Programming (OOP) Software Engineering (RPL)
DevOps:	Docker & Containerization CI/CD (GitHub Actions) Testing & Documentation (Swagger/OpenAPI) Version Control (Git)
Networking:	OSPF, RIP, VLAN, NAT, Firewall Linux Server
Database:	MySQL, PostgreSQL
Others:	Maven Gradle Linux Windows

LANGUAGES

Indonesian – Native Speaker
English – Intermediate Proficiency